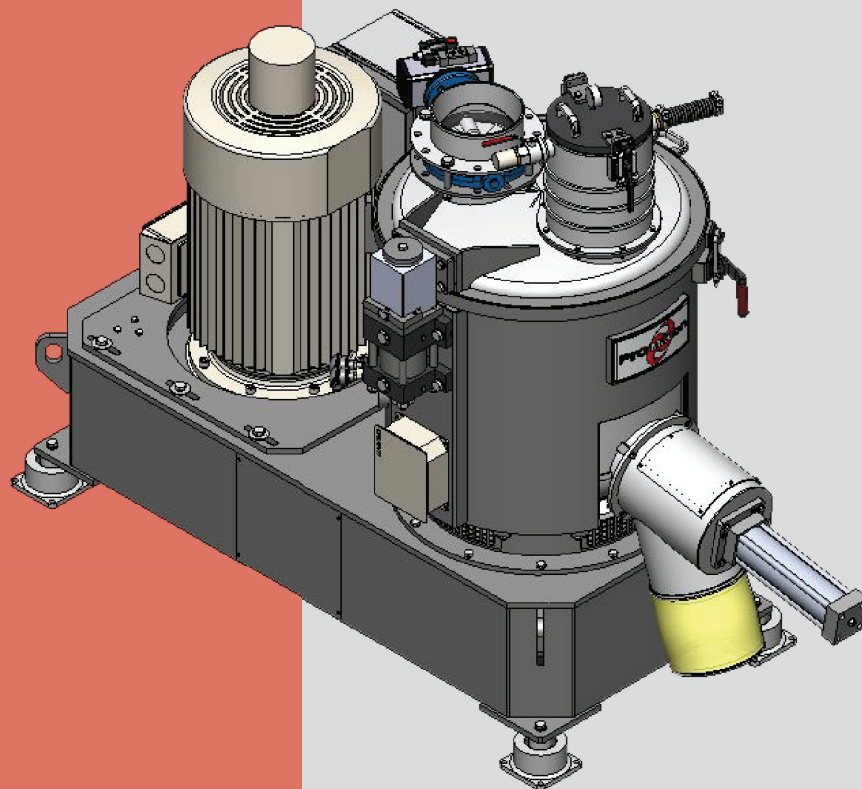


USE AND MAINTENANCE MANUAL

TRANSLATION OF THE ORIGINAL INSTRUCTIONS

Machine : HEATING MIXER
Type : XM-400
Year : 2017



Safety standard EC
Transport and installation
General information, description and safety devices
Use manual
Video pages of the control panel
Maintenance of the machine
Diagram volume - Spare parts volume
Machine dismantling
Manual attachments

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General introduction

The company **Promixon S.r.l.** designed and built this machine according to the rules of the EU Directive 2006/42/EC.

The machine is not dangerous for the operator, if used according to the supplied instructions of the company **Promixon S.r.l.** under the conditions of use.

Also safety devices must be kept always efficient and maintenance operations must be performed as required, according to the indicated frequency.

This manual should be kept throughout the life of the machine and should always be available for the operator and maintenance engineer.

The information contained in this manual are the property of **Promixon S.r.l.**

The company **Promixon S.r.l.** reserves the right to change, without notice, product features described in this manual.

It's forbidden to distribute and reproduce, even partially, this manual without written permission of the company **Promixon S.r.l.**

General Information

Identification data of the manufacturer

Promixon S.r.l.

Via A. Manzoni, 18/D

I – 20020 – Magnago (MI)

Tel. +39 0331 307122 – Fax. +39 0331 309797

Website: www.promixon.com

Identification data of the machine

Name:	Heating Mixer
Model:	XM-400
Serial Number:	2017.041.XM.400.004
Year of Manufacture:	2017

Documentation provided



Note:

This publication consists of pages numbered consecutively.

In case of doubt about the contents please contact technical support quoting the page number and paragraph number with the operating procedure of your interest.



Note:

The documentation must be kept for the whole technical life of the machine so as to be readily available in case of need. In case of transfer of ownership, the documentation shall always accompany the machine.

Recipients

The recipients of this publication, generically referred to as "users" are all those who for the area of their competence, need, and / or the obligation to provide instructions or to intervene operatively on the machine.

These subjects can be identified as follows:

- Heads of operational areas;
- Department managers;
- Operators directly involved in the transport, storage, installation, use and maintenance of the machine since it is placed on the market until the decommissioning;
- Installers, assemblers.

General information on operating instructions

This publication, hereinafter simply referred to as "manual" contains all the information for the installation, operation, and maintenance of the machine.

The original text of this publication, written in Italian, is the only reference to the resolution of any dispute related to the interpretive translations in community languages.

This publication is to be considered as an integral part of the machine and should be retained for future reference until final dismantling and scrapping of the machine.

Purpose of the manual

The purpose of this manual is to enable caregivers to know the machine and use it for its use, which is secure and durable and take the steps and putting in place all the human and material resources as needed.

The publication has been prepared in view of section 1.7.4 of the European Directive 2006/42/EC. In the text are also called laws, directives, etc., that you are required to know and to see to achieve the goals that the manual is intended.

Where and how do you keep this manual

This manual and all attachments must be stored in a protected, dry and must be available for consultation.

We recommend that you make a copy and keep it on file.

In case of exchange of information with the manufacturer or service personnel by them, **refer to the rating plate data and the serial number of the machine.**

The manual and attachments must be retained for the entire life of the machine and in case of need (eg damage that affects even partially consultation, etc...) The user must purchase a new copy to require only the manufacturer and / or dealer who sold the car.

Manual update

The manual reflects the state of the art at the time of placing on the market of the machine which is an integral part and is in compliance with applicable laws, directives, regulations in force at that time, cannot be considered inadequate because then updated based on new information.

Any changes, adjustments, etc... that were made to the machines will be marketed later revision of the manual which is always, however, the current state of the art machine that accompanies it.

Any additions to the manual that the manufacturer sees fit to send users must be kept with the manual which will form part.

Collaboration with the user

The manufacturer is available to its customers to provide more information and to consider proposals for improvement in order to make this manual more responsive to the needs for which it was prepared.

On the sale of the machine, which must always be accompanied by the manual, the user is encouraged to notify the primary manufacturer address of the new user so that he can receive any information and / or updates.

Ownership of information

This document contains proprietary information. The Company **Promixon S.r.l.** holds the property rights of this publication

This document constitutes trade secrets. May not be reproduced and / or disclosed to third parties in whole or in part, without prior written permission by **Promixon S.r.l.** Use of this document is permitted only customer and the Company refers only to the specified machine.

Promixon S.r.l. assumes no liability for direct or indirect damages to persons or property arising from the use of the machine in conditions other than those provided.

Promixon S.r.l. We reserve the right to make changes or improvements without prior notice to machines other than the machine specified under "Intended Use" and the related documentation.

Unless otherwise specified, figures and drawings, sketches, photographs, etc., contained in this manual is for informational purposes only, and the size, materials and other data and / or construction details in them are not binding.

Any deviation from the standard configuration of the machine described in this manual and applicable to the contract will be included in the documentation.

Conventions

Text in italics indicates the title of a chapter, section, paragraph, table or figure in this book, or other publication of reference.

Combination of letters and numbers: Symbolic representation of a part of the machine.



Note:

Notes contain important information about the outside of the text to which they refer.



Warning:

The cautions indicate those procedures which are non or partial compliance can result in damage to the machine or equipment connected to it.



Danger:

The hazard indicates those procedures which are non or partial compliance can result in injury or damage to health or operator of exposed persons.

Assistance

This manual does not replace the experience of installers, users and maintenance personnel trained and qualified in the maximum utilization of the services provided by the machine and extraordinary maintenance operations. The Technical Support provides customer information over the telephone or through correspondence and operations and maintenance training.

Technical Assistance Service

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Website: www.promixon.com

When requests for assistance specify the model, year of manufacture and the serial number of the machine detectable on the nameplate.

Spare Parts

When ordering spare parts detect and identify parts from drawings provided in spare parts list. Always specify the model, year of manufacture and the serial number of the machine detectable on the nameplate.

For more information, see the section Diagrams and Spare Parts.

Intended Use

The machine, (Heating Mixer XM), has been designed and built to produce PVC Dry-Blend.

It is a machine consisting of a linear structure, a base, with lower protection grid, over which the mixing chamber is fixed. Inside the mixing chamber there are two blades assembled on the same shaft, caused to rotate by an electric motor. The finished product discharge valve is connected to the mixing chamber.

The machine is fed with electric and pneumatic energy.



Note:

We do not allow other profiles, unless approved in writing by **Promixon S.r.l.**

The machine is equipped with a series of safety devices to avoid hazards to the operator. The manufacturer assumes no liability for improper use of the system.



Note:

The machine can be used for continuous operation, on three shifts, (with stops, between turns, for the necessary maintenance operations).

Not intended and reasonably foreseeable use

Any use not expressly provided in *Intended uses*.

During the operations of production and/or test is not foreseen the presence of operators if not only for machine maintenance.

It is not intended for use in a potentially explosive atmosphere.

Since the machine is designed to work exclusively with characteristics, shapes and sizes have been agreed in the order, cannot be used for any other purpose.

A different and unique is allowed only if attached to this publication, are given specific instructions.



Danger:

Using the machine for unauthorized maneuvers and its misuse and lack of maintenance can result in dangerous situations for your personal safety, as well as affect the functionality and the intrinsic safety of the machine. The actions described below, which obviously cannot cover the entire range of potential possibilities for "misuse" of the same, are those "reasonably" more predictable, and shall be strictly prohibited.

Not considering the use intended and reasonably foreseeable, is **NEVER** permitted:

- Ways of handling, installation, testing, power, preparation, use, maintenance shutdown, other than those provided.
- Use the machine in conditions not provided.
- Use materials and processed products, not expressly provided for by the manufacturer.
- Use the machine for a different service than that for which it is intended.
- Use the machine with electrical connection type "flying" through temporary cables or uninsulated.
- Use the machine in the presence of a large voltage drop on the power supply or an accidental lack of one of the three phases.
- Allow personnel to use inexperienced, untrained and not psycho-physically fit.
- Work on the machine if not equipped with suitable work clothing in compliance with the safety standards in force in the place of installation.
- Change the software system without evaluation and authorization of the manufacturer.
- Change the safety and / or tamper with the equipment.
- Change, calibration adjustments of the safety devices (end stops, etc...) And / or result in tampering with the machine.
- Tampering with or exclude artifacts mechanical or electrical safety devices present on the machine.
- Run the machine without protection even if only partial.
- Allow the machine unattended when it is already enabled for operational activities.
- Change the functional and performance characteristics of the machine and / or its components in order to increase their production capacity.
- Use the equipment or perform maintenance operations on the same lighting conditions and / or poor visibility.
- Use the system if you do not fully understand the content of all technical documentation.

- Make temporary repairs and / or restoration does not comply with the instructions.
- Use non-original spare parts or accessories not recommended by the manufacturer.
- Use equipment that is not original or not authorized by the manufacturer.
- Refer repairs to inexperienced staff.
- Leave the machine at end of shift without putting in place safety procedures.
- When climbing up or climbing up the system on the machines outside the permitted areas.
- Use the machine if not fully compliant in all its functions.
- Perform routine maintenance, inspections or repairs without putting the machine in maintenance and have turned the procedure.
- Perform routine maintenance, inspections or repairs without turning off the machine also unplugging the power distribution board department.
- Operate a grave lack of maintenance.
- During maintenance:
 - use unsuitable equipment;
 - operate without adequate personal protective equipment;
 - intervene without having removed the materials being processed.
- Make temporary repairs or restoration of luck.
- Re-install the machine in a manner other than specified in this manual without evaluation and authorization of the manufacturer.
- If you must conduct maintenance is required lock the switch in the OFF position, with the appropriate lock. Affixed near the main power switch, also the sign.



Danger:
WARNING - MACHINE MAINTENANCE, DO NOT CONNECT THE POWER.

EC Declaration of Conformity



EC Declaration of Conformity Dichiarazione di Conformità CE

*According to machine directive 2006/42/CE Annex II – part 1 – Section A
in conformità alla Direttiva Macchine 2006/42/CE, Allegato II, parte 1, sezione A*

*The company indicated below
La sotto indicata società,*

Promixon S.r.l.
Sede legale / Sede operativa: Via A. Manzoni, 18/D
20020 Magnago (MI) – ITALY

*Declares under its sole responsibility that the object identified below and newly manufactured:
Dichiara, sotto la propria responsabilità, che l'oggetto di seguito identificato è di nuova
fabbricazione:*

Description:	Heating Mixer XM-400
Descrizione:	Horizontal Cooling Mixer XC-1200
	Turbomiscelatore XM-400
	Raffreddatore Orizzontale XC-1200

Serial Number:	2017.041.XM.400.004
Numero di Matricola:	2017.041.XC.1200.003

Year of Manufacture:	2017
Anno di Costruzione:	

*that the machine conforms to all the pertinent provisions of Directive 2006/42/EC
che la macchina è conforme a tutte le disposizioni pertinenti contenute nella Direttiva 2006/42/CE*

*that the machine conforms to the provisions of the other pertinent community directives:
che la macchina risulta conforme alle disposizioni delle seguenti altre direttive comunitarie
pertinenti:*

2014/35/CE	Low Voltage Bassa Tensione
2014/30/CE	Electromagnetic Compatibility Compatibilità Elettromagnetica

*It also declares that the following standards have been applied:
Si dichiara inoltre che sono state applicate le seguenti norme:*

UNI EN 12100:2010	"Safety of machinery – Basic concepts, general principles for design: Basic Terminology, methodology – Technical Principles" <i>Sicurezza delle macchine – Concetti base, principi generali di progettazione: Terminologia, metodologia – Principi tecnici e specifiche"</i>
EN 60204:1	Safety of Machinery – Electrical equipment of machines. Part 1: General rules. <i>Sicurezza del macchinario – Equipaggiamento elettrico delle macchine. Parte 1: Regole generali</i>

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In conformity with Annex II, part 1, section A of Directive 2006/42/EC, the manufacturer points out that this declaration exclusively concerns the system/machine described above, in the state and with the intended use for which it has been marketed, excluding any added components and/or operations carried out later by the final user without the manufacturer's authorisation.

In conformità a quanto indicato nell'Allegato II, parte 1, sezione A della Direttiva 2006/42/CE, il fabbricante evidenzia che tale dichiarazione è relativa esclusivamente all'impianto/macchina sopra descritto, nello stato e con le destinazioni d'uso per le quali è stato immesso sul mercato, escludendosi i componenti eventualmente aggiunti e/o le operazioni effettuate successivamente dall'utente finale senza l'autorizzazione del fabbricante.

Promixon S.r.l.

Position
Posizione

Legale rappresentante

Name and Surname
Nome COGNOME

Dott.ssa Cinzia Vidale

Magnago 30/06/2017

(Sign - firma)

The person who has signed this document is authorised to draw up the Technical Construction document. He is established in the Community and can be contacted at the address given above.

La persona autorizzata a costituire il fascicolo Tecnico di Costruzione è la stessa di cui alla firma ed è stabilita nella Comunità e reperibile allo stesso indirizzo cui sopra.

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EC Declaration of Conformity

Manufacturer Warranty

The user to take advantage of the warranty provided by the manufacturer must observe the precautions listed in this manual and in particular:

- Operate within the limits of use of the system;
- Always make a constant and careful maintenance;
- Only use machine personnel of proven ability and aptitude and trained for the purpose.

The manufacturer declines any liability, direct or indirect, arising from:

- Failure to follow instructions and use the machine other than that provided in the user manual;
- Use by anyone who has not read and understood the contents of the manual;
- Improper use by regulations in force in the country of installation;
- Changes made on the system and unauthorized;
- Unauthorized repair.

The sale of the machine to a second user also includes the delivery of the instruction manual, the non-delivery of the instruction manual is automatically void the warranty is for the correct use of the same.

If the machine was transferred to a second user in a country with different languages will be the primary responsibility to provide a faithful translation of the manual instructions in the language of the country in which the machine will operate.

Plates – Identification marks

The CE plate with the identification details of the system and the manufacturer is placed on the structure of the machine.

Legibility and conservation of the plate

The plate must be readable at all the data contained therein providing regular cleaning.



Warning:

The plates placed on the plant must not be removed or covered.
The affixing of other plates on the system without the prior written permission of the manufacturer.

Other plates on the machine

Plates with specifications of manufacturers of motors, gearboxes, electrical, hydraulic and pneumatic.

All plates shall be legible, for all the data contained therein providing clean them periodically.

If a plate is worn and / or no longer legible, even in only one of the items of information listed, request a new one from the manufacturer, citing data plate must provide original and the replacement.

If the signals had become illegible or have lost, must be replaced immediately.

	Risk of electric shock The sign is applied to the doors of the cabinet
	Prohibition of oil, grease and record the moving The sign is applied to the fixed and mobile protections of the machine so as to be visible from any location
	Do not remove the safety devices The sign is applied to the fixed and mobile protections of the machine so as to be visible from any location
	Do not extinguish with water The sign is applied to the cabinet doors and control panel.
	Do not open to unauthorized personnel The sign is applied to the cabinet doors.
	Obligation the use of protection devices of the face
	Necessary the use of personal protective earphones The sign is applied to the outside of the control room to indicate the risk associated with noise.
	Necessary the use of personal protective body
	Necessary the use of protective gloves
	Obligation to use safety shoes
	Do not carry out maintenance work before removing the voltage

Fill in the top of the form and use the original printed so compiled as to duplicate and use as integrated communication with society **Promixon S.r.l.**

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on its right side, suggesting it is resting on a surface. The overall appearance is that of a clean, unused piece of stationery or notebook paper.